

Title (en)

FULL-SPAN FORWARD SWEEPED AIRFOILS FOR GAS TURBINE ENGINES

Title (de)

ÜBER DIE GESAMTE SCHAUFELHÖHE VORWÄRTSGEPFEILTE SCHAUFELN FÜR GASTURBINENTRIEBWERKE

Title (fr)

AUBES AVEC BORD D'ATTAQUE INCLINÉ VERS L'AVANT SUR TOUTE HAUTEUR POUR MOTEURS À TURBINE À GAZ

Publication

EP 3296508 B1 20191016 (EN)

Application

EP 17180363 A 20170707

Priority

US 201615261011 A 20160909

Abstract (en)

[origin: EP3296508A1] Rotor of a gas turbine engine having a rotor hub (303) and a plurality of blades (301) extending from the rotor hub, wherein each blade has a full-span forward sweep along a leading edge (330) of the blade that starts at an airfoil root of the blade at the hub and extends to a blade tip (324), wherein a sweep of a blade is a percentage of a root axial chord length of the respective blade.

IPC 8 full level

F01D 5/14 (2006.01); **F04D 29/38** (2006.01)

CPC (source: EP US)

F01D 5/141 (2013.01 - EP US); **F02K 3/06** (2013.01 - US); **F04D 19/02** (2013.01 - US); **F04D 29/324** (2013.01 - EP US); **F04D 29/386** (2013.01 - US); **F04D 29/542** (2013.01 - US); **F05D 2220/32** (2013.01 - US); **F05D 2220/3216** (2013.01 - EP US); **F05D 2240/12** (2013.01 - US); **F05D 2240/30** (2013.01 - US); **F05D 2240/301** (2013.01 - EP US); **F05D 2240/303** (2013.01 - EP US); **F05D 2240/304** (2013.01 - EP US); **F05D 2250/38** (2013.01 - EP US); **F05D 2250/70** (2013.01 - EP); **Y02T 50/60** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3296508 A1 20180321; **EP 3296508 B1 20191016**; US 10605260 B2 20200331; US 2018073517 A1 20180315

DOCDB simple family (application)

EP 17180363 A 20170707; US 201615261011 A 20160909